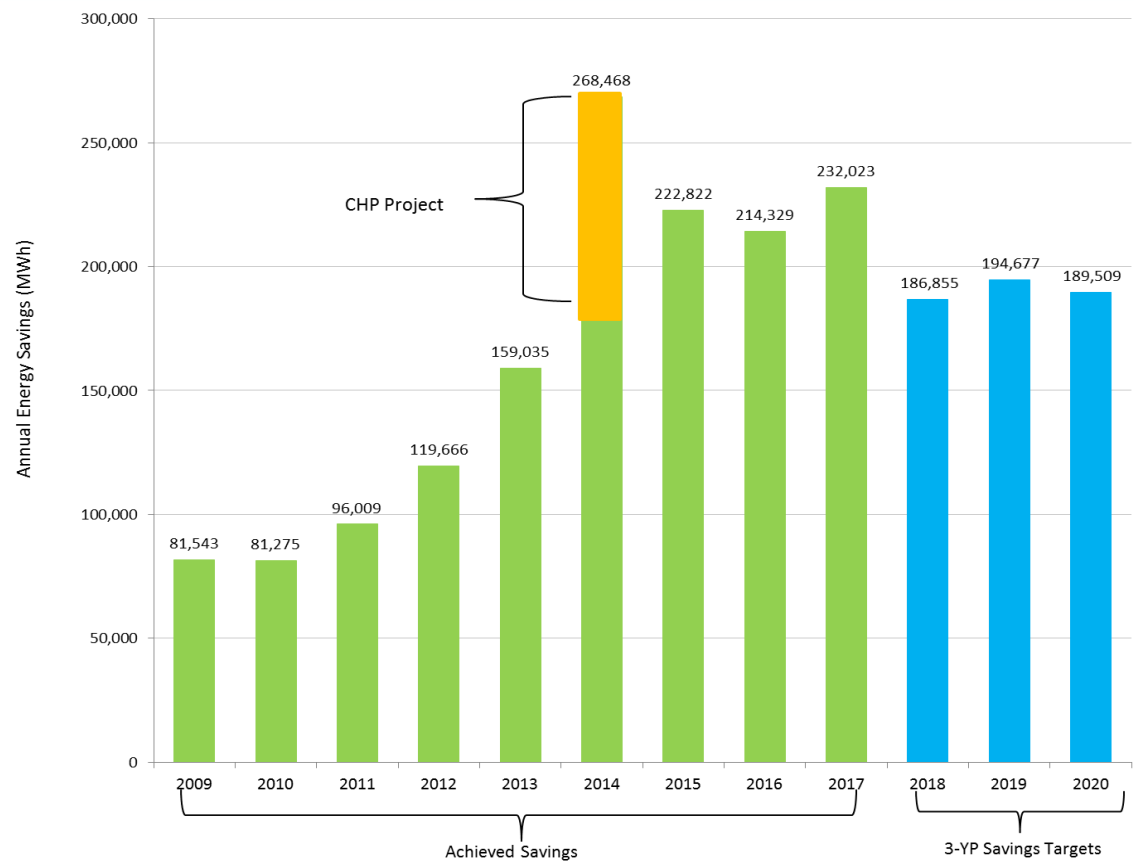


RI Energy Efficiency

2019 Annual Plan Preliminary Outlook

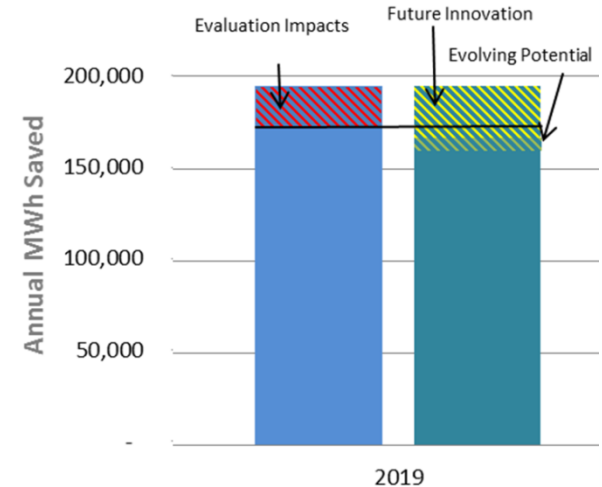
RI EERMC Collaborative
July 21, 2018

3-Year Plan Electric Savings Goals



Meeting the 2019 Savings Goals

- 3-Year Plan included 25,539 Annual MWh for future innovation.
- This presentation will provide an overview of where we stand today on future innovation and other efforts to meet the 2019 savings goals.
 1. Status of Navy CHP project
 2. Update on demonstrations
 3. Program enhancements
 4. Evaluation results



CHP at Naval Station Newport - Update

- 7 MW CHP, estimated installation is 2020
- Complex project with numerous stages including interconnection study and gas upgrades
- National Grid notified Commission for 2020 incentive

C&I Demonstrations Updates

Strategic Energy Management (SEM) – Recruiting to begin in July

C&I Demand Response – After two years of testing C&I DR will become a full program in 2019

Lighting

- Secure Lighting Spec (SLS)
- Turn Key Lighting Design

Small/medium plant compressed air

Projects	Concept	Exploratory	Planning & Design	Build	Launch	In-Flight
Behavior Change through education of small /medium plant personnel	100%	80%	25%	0%	0%	0%
Underutilized EE Technologies on mechanical power transmission systems	100%	80%	25%	0%	0%	0%
Secure Lighting Specs (SLS)	100%	100%	75%	50%	0%	0%
Turn Key Lighting Design	100%	100%	75%	50%	0%	0%
Advanced Daylighting Design	25%	0%	0%	0%	0%	0%
Web Based Lighting Training	100%	50%	50%	0%	0%	0%
Demand Response SMB	50%	5%	30%	0%	0%	0%
Demand Response C&I	100%	100%	100%	100%	100%	50%
Zero-Net Energy Buildings	89%	80%	50%	0%	0%	0%
Power Over Ethernet	0%	0%	0%	0%	0%	0%
Lighting as Service	100%	50%	0%	0%	0%	0%
SEM	100%	100%	75%	0%	0%	0%
Performance Based Procurement	100%	80%	40%	0%	0%	0%
Gas Demand Response	75%	0%	0%	0%	0%	0%

Residential Demonstrations Updates



Connected Solutions entering third year of residential demonstration in 2018, Will be part of core offerings in 2019. This summer will be include bring-your-own battery storage.



Emerging Lighting Controls demonstration began summer-2017 and will conclude at 2018. Will assess savings at completion of demonstration.



Residential Energy Monitoring demonstration began in June, 2018 and will be run through mid-2019. Savings will be assessed upon demo completion.



Consumer Research, originally Energy Storage research. 2018 consumer research on connected homes and next generation electric homes will assist in development of a 2019 demonstration.



Zero Energy Pilot planning began April 2018. Program to include education, training, incentives and marketing. This program will be run through mid-2019. Outcomes will inform the re-design of the RNC Program.

2018-2019 C&I Program Enhancements

Electric



Increasing the volume of troffers with multiple control measures in Upstream lighting

Electric/Gas



Strategic Energy Management (SEM)

Expand industrial initiative



Commercial Office and C-PACE

Retro-commissioning (RCx)

Gas

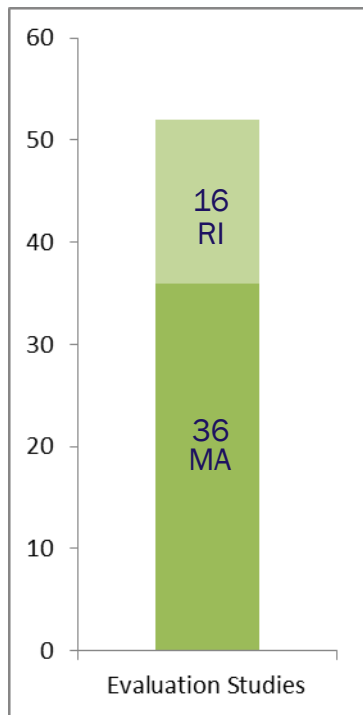


Laminar Flow Restrictor for health care – researching safety now
Ozone Laundry – need to identify sales resource

2018-2019 Residential Program Enhancements

- ENERGY STAR® Lighting program has the potential to contribute approximately 15,000 additional MWh in 2019 from was planned in the Three Year Plan.
 - 2018 program was reduced to accomodate budget cap and scoop.
 - Program overperformed in 2017 and anticipates overperforming in 2018
 - Initial three-year planning (started in 2016) had much lower goal for lighting in 2019 due to uncertainty of lighting benefits. Better certainty today about 2019 savings.
 - Evaluations are currently underway in Rhode Island and Massachusetts and may impact this estimate with results anticipated to be incorporated in the first draft of the 2019 Annual Plan.

Evaluation Updates



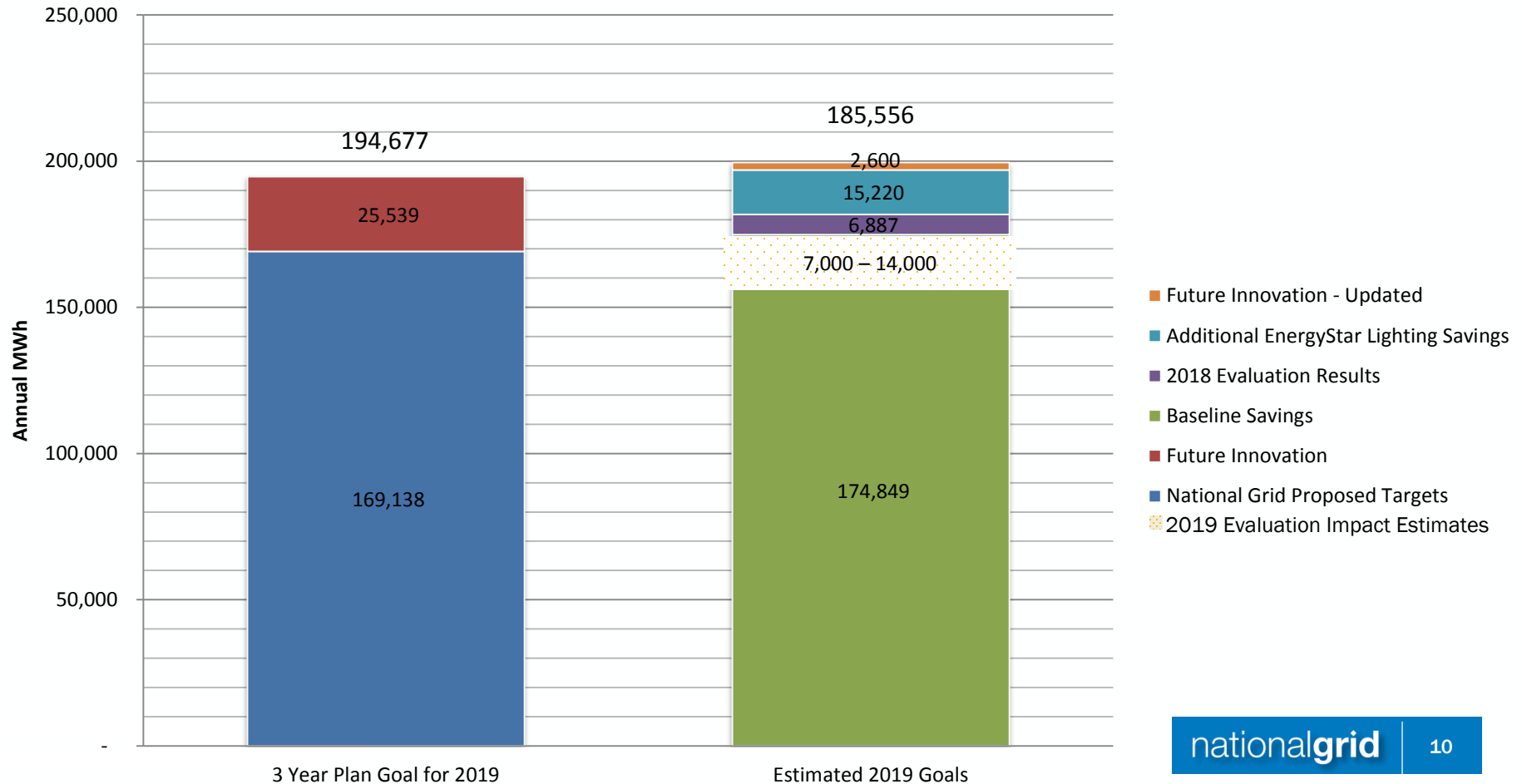
Commercial & Industrial

- Impact Evaluation of Custom Gas Installations
- C&I Impact Evaluation of 2013-2015 Custom CDA
- Impact Evaluation of PY2015 C&I Upstream Lighting Initiative
- Impact Evaluation of PY2016 C&I Small Business Initiative
- MA P78 Upstream LED Net-to-gross Analysis

Residential

- Impact Evaluation of Low Income Single Family Program
- Residential Lighting Net-to-Gross Study
- MA Residential Lighting and Products Net-to-Gross Studies
- EnergyWise/HVAC HEAT Loan Assessment
- Residential Appliance Saturation Survey

Preliminary 2019 Annual MWh Goals



First Look: 2019 Program Charge and Budget

- The 2019 EE Budget and Charge will be LESS than 3-Year Plan.
 - 3-Year Plan 2019 budget
 - \$124.9M; charge \$0.01390/kWh
 - 2019 Annual Plan revised outlook:
 - Budget range may be \$97 to \$100M
 - Charge range may be \$0.01040 to \$0.01090
- Budgets and charge depend on many factors that will continue to be refined up until final draft:
 - Measure mix, electric sales forecast, FCM revenue, fund balance, legislation, evaluation results.

Timeline

- August 16th – First Draft sent to EERMC
 - Comments due: August 30th (2 weeks for review)
- September 20th – Final Draft sent to Council and EERMC Meeting with presentations on the Final Draft
 - Due to timing of final electric sales forecast, final draft cannot go out earlier.
- October 4th – EERMC Vote on 2019 Plan
- October 8th – Final version circulated for settlement signatures
- October 15th – Plan filed